

**AGENDA**  
**Western North American Defoliator Working Group/Bark Beetle Technical**  
**Working Group Meeting**  
**November 4-6**  
**Rocky Mountain Research Station**  
**240 W Prospect**  
**Fort Collins, Colorado**

**Western North American Defoliator Technical Working Group**  
**Tuesday, November 4**

- **Joel Egan, Moderator for Defoliator**

**Start 0800 - 0845**

- Welcome, housekeeping items, local information, etc.
- Review of action items from previous meetings and WFIWC.
- New business

0845-0945

- Hand out Condition Reports; roundtable unusual/notable events by Region

0945 – 1015 **DFTM in the West** - *Open forum*

Reports on Douglas-fir tussock moth – related projects, studies, observations, etc.

**Break 1015-1030**

1030 – 1130 **Budworm Activity in the West** - *Open forum*

Reports on budworm –related projects, studies, observations, etc.

**LUNCH (1130-1230)**

1230– 1430 **Other Defoliators** *Open forum*

Reports on other defoliators – related projects, studies, observations, etc.

- Western blackheaded budworm
- Other budworm species
- Pine butterfly
- Pine Sawflies - Recent outbreaks of *Neodiprion spp* in Colorado – Sky Stephens/ Rebecca Powell/ Bill Ciesla/ discussion other
- Satin moth discussion of impacts and distribution
- Needleminers (Jeffrey, ponderosa, lodgepole, pinyon)
- Piñon needle scale (taxonomy issue?)
- Oak looper and other oak defoliators
- Balsam woolly adelgid – *when to change from incidence surveys to impact surveys, protocols for impact surveys*
- Green alder sawfly
- Other defoliators?
- *Diaspidotus* scale on aspen- Tom Eager

## **Break 1430-1445**

### **1445 -1545** Research needs

- Climate change/budworm impacts update from last year
- Rob Progar - Climate cycle and defoliator feeding guild project (20 minutes)

### **Final Business** 1545– 1700

Priorities/Recommendations

Review Action Items

Discuss next meeting (date, location, etc.)

**Bark Beetle Technical Working Group**  
**Wednesday, November 5-6**  
**Fort Collins, CO**

**Start 0800**

- Welcome, housekeeping items, local information, etc.
- Review of action items from 2013 meeting (Beth Willhite)
- New business- State and federal personnel changes in 2014
- Hand out Condition Reports; roundtable unusual/notable events by Region
- Share written reports and discuss

**Break 1000-1015**

**WO Update** 1015-1045 - ***WO FHP or other WO rep***

- WO FHP News- Personnel changes in the WO
- National Early Detection-Rapid Response System (EDRR)
- Verbenone on-line database
- Questions – Telling our story, WO perspective

**Research Updates** 1035-1200

- Western Bark Beetle Research Group
- 1035- 1100 Barbara Bentz and Matt Hansen bark beetle project updates (VTC)
- 1100-1130 Jose Negron, RMRS, updates on current research
- 1130-1200 Liz Hebertson Spruce beetle in the Intermountain Region

**LUNCH (Noon – 1pm)**

**Research Updates (cont.)** 1300-1430

- 1300-1345 Javier Mercado, RMRS, Interactions with mites, MPB and bluestain
- 1345 – 1430 Rob Progar, PNWRS, will share information from his work and Chris Fettig's projects as well.
- **Break 1430 - 1445**
  - **1445-1530** Dan West, CSFS instructor will share information from his PhD MPB studies

- **1530 – 1600** Rich Hoffstetter - Will cover various NAU bark beetle studies
- **1600- 1630**  
FHTET funded projects and pheromone work Harold Thistle FHTET Morgantown ( Harold will not be able to attend but will send information)

### **Bin items (recap) 1630-1700**

- Any additional researchers summary reports provided and a chance to go over them as a group.

### **Adjourn 1700**

**Thursday, November 6**

**Start 0800**

### **0800-1000 Bark Beetle Projects and Studies**

**Tom Eager/ Brytten Steed- STDP Discussion**

**Jeri Lyn Harris / Rob Cruz – EM Discussion**

**Tom Eckberg - MPB and DFB work in Idaho**

**Steve Clarke – Southern Pine Beetle**

**Beth Willhite – California five spined ips**

***Prevention/Suppression/Restoration, EM, STDP, FS-PIAP and others; recently completed, on-going, proposed, wish list***

- Mountain pine beetle
- Douglas-fir beetle
- Spruce beetle
- Jeffrey pine beetle
- Western pine beetle
- Southern pine beetle

### **1000-1015 Break**

## **1015-1200 FHP Bark Beetle Projects and Studies (cont.)**

**1015-1045 Cliff Bradley** – Bark Beetles and *Bauvaria* (entomophagous fungi)

*P/S/R, EM, STDP, FS-PIAP and others; recently completed, on-going, proposed, wish list*

- Ips spp.
- Fir engraver
- Western balsam bark beetle
- Native woodborers and ambrosia beetles
- Invasives

## **LUNCH (Noon – 1pm)**

**1300 – 1330** Joel Egan - Discussion on reporting bark beetle population pressure within scientific studies -

**1330 -1530 Mission Statement** discussion and items from bin

**1515 – 15:30 Break**

**1530 – 1600 Open bin discussion (e.g. explore opportunities for projects, collaboration, coordination, etc.) Possible topics include:**

- Update on FINDIT – Brytten Steed
- Revision of Western Forest Insects – Iral Ragenovich, R6 FHP
- FIDLs
- BBTWG website
- Identification Aids – *Taxonomy training class for the west - Can we get one scheduled*

**1600 – 1700 Final Business**

- Review Action Items
- Review Joint Meeting Format
- Next Meeting (Date, location, etc.)

**1700 Adjourn**